(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 31 December 2003 (31.12.2003)

PCT

(10) International Publication Number WO 2004/002089 A1

(51) International Patent Classification7:

H04L 12/56

(21) International Application Number:

PCT/US2003/019114

(22) International Filing Date:

17 June 2003 (17.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/390,846

21 June 2002 (21.06.2002) US

- (71) Applicant (for all designated States except US): THOM-SON LICENSING S.A. [FR/FR]; 46, Quai A. Le Gallo, F-92648 Boulogne (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CHRISTENSEN, Carl [US/US]; 2360 Bridle Oak Drive, South Jordan, UT 84095 (US). BYTHEWAY, David, Lynn [US/US]; 5957 Blue Stone Circle, Murray, UT 84123 (US).
- (74) Agents: TRIPOLI, Joseph, S. et al.; c/o Thomson Licensing Inc., 2 Independence Way, Suite 200, Princeton, NJ 08540 (US).

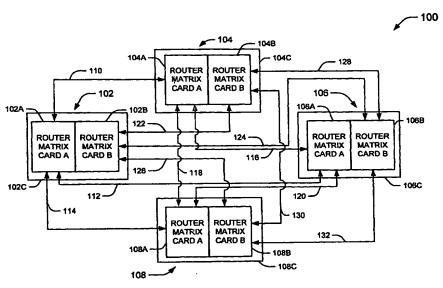
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: A MULTI-CHASSIS BROADCAST ROUTER HAVING A COMMON CLOCK



(57) Abstract: Supportably mounted by each chassis (102c, 104c) of a multi-chassis broadcast router (100) are primary router matrix cards (102a, 104a), redundant router matrix cards (102b, 104b) and clock-demanding input and output cards (136-1 through 136-N and 138-1 through 138-M, 142-1 through 142-N and 144-1 through 144-M). A first master clock (134) resides on the primary router matrix card (102a) of a first chassis (102c) while a second master clock (154) resides on the redundant router matrix card (104b) of a second chassis (104c). Each master clock (134, 154) is configured to provide a respective common clock signal to all of the input and output cards (136-1 through 136-N and 138-1 through 138-M, 142-1 through 142-N and 144-1 through 144-M) of the first and second chassis (102c and 104c). Control logic (148, 156) determines whether the first master clock (134) or the second master clock (154) issues the common clock signal.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.